

TITLE OF INVENTION

ABSTRACT

A photochromic polyurethane laminate that is constructed to solve certain manufacturing difficulties involved in the production of photochromic lenses is disclosed. The photochromic laminate includes at least two layers of a transparent resinous material and a photochromic polyurethane layer that is interspersed between the two resinous layers and which contains photochromic compounds. The photochromic layer has a thickness of from 5 μm to 80 μm . The photochromic host material may be a thermoset or thermoplastic polyurethane. A laminate of this construction can be conveniently incorporated into a plastic lens through an insert injection molding process.